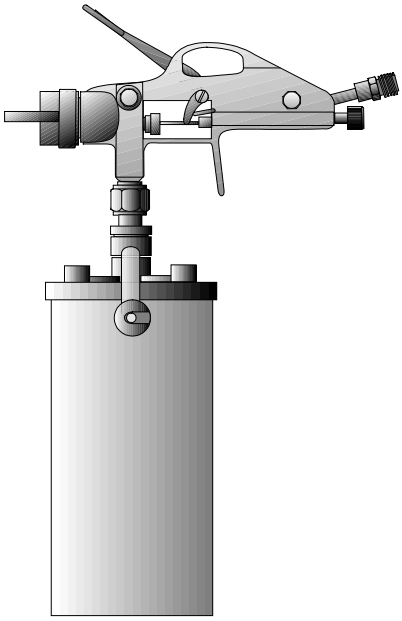
CENTRAL PNEUMATIC®

TOUCH-UP GUN

Model 00086

SET UP AND OPERATING INSTRUCTIONS



Diagrams within this manual may not be drawn proportionally.
Due to continuing improvements, actual product may differ slightly from the product described herein.

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3491 Mission Oaks Blvd., Camarillo, CA 93011

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Read this material before using this product. Failure to do so can result in serious injury. SAVE THIS MANUAL.

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For technical questions or replacement parts, please call 1-800-444-3353.

SAVE THIS MANUAL

You will need this manual for the safety instructions, assembly and operating instructions and parts list. Put it in a safe, dry place for future reference. **Keep your invoice with this manual. Write the invoice number on the inside front cover.**

READ ALL INSTRUCTIONS BEFORE OPERATING THE TOUCH-UP GUN

SPECIFICATIONS

Characteristic	*Value*
Minimum Operating Air Pressure	33 PSI
Maximum Operating Air Pressure	50 PSI
Cup Paint Volume	7 oz.
Hose Size	3/8”
Material Output	2.8 CFM @ 30 PSI - 4.0 CFM @ 50 PSI
Air Inlet	1/4” NPS

SAFETY WARNINGS & CAUTIONS

1. KEEP WORK AREA CLEAN. Cluttered areas invite injuries.
2. KEEP CHILDREN AWAY. All children should be kept away from the work area. Don't let them handle tool.
3. DO NOT OPERATE THE TOUCH-UP GUN IF UNDER THE INFLUENCE OF ALCOHOL OR DRUGS. Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not attempt to operate.
4. DO NOT SPRAY NEAR OPEN FLAMES, PILOT LIGHTS IN STOVES OR HEATERS, OR ANY OTHER HEAT SOURCE. Most solvents and coatings are highly flammable, particularly when sprayed. Always make sure there is adequate ventilation. Extinguish all cigarettes when painting or cleaning. Industrial applications must follow OSHA requirements.
5. READ ALL INFORMATION CONCERNING COATING PRODUCTS AND CLEANING SOLVENTS. Chlorinated solvents, e.g. 1-1-1 Trichloroethane and Methylene Chloride (also known as methyl chloride) can chemically react with aluminum and may explode. Many paint sprayers contain aluminum. If you are in any doubt what-so-ever, contact the solvent or coating manufacturer.
6. MATERIALS USED WHEN PAINTING AND CLEANING MAY BE HARMFUL OR FATAL IF INHALED AND/OR SWALLOWED. Once again, when spraying, always make sure there is adequate ventilation. Use a mask or respirator when painting.
7. CHECK ALL SEALS BEFORE CONNECTING TO AIR SUPPLY. Make sure lid is fully attached to cup, retaining ring is screwed past the first thread, air pressure plug is tightened fully, and air supply tube is firmly attached. Never release the lid while the cup is pressurized.
8. USE EYE PROTECTION. Coatings will cause eye irritation. Wear ANSI approved chemical splash safety goggles. Goggles are available from Harbor Freight Tools. When cleaning, be especially careful as solvents can be forcibly ejected from fluid and air passages.

9. DRESS SAFELY. Protective gloves and non-skid footwear or safety shoes are recommended when working with and operating the Touch-Up Gun. Don't wear loose clothing or jewelry. They can get caught in moving parts. Also, wear a protective hair covering to prevent long hair from getting caught in the Touch-Up Gun.
10. DON'T OVERREACH. Keep proper footing and balance at all times.
11. STAY ALERT. Watch what you are doing. Use common sense. Do not operate any tool when you are tired.
12. CHECK DAMAGED PARTS. Before using any tool, any part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, breakage of parts, and other conditions that may affect its operation.
13. REPLACEMENT PARTS AND ACCESSORIES. When servicing, use only identical replacement parts. Only use accessories intended for use with this Touch-Up Gun. Approved accessories are available from Harbor Freight Tools.
14. STORE IDLE EQUIPMENT. When not in use, Touch-Up Gun should be cleaned and stored, fully assembled, in a dry location to reduce rust. For safety, keep out of reach of children.
15. MAINTAIN TOOLS WITH CARE. Keep tools clean for better and safer performance. Follow instructions for lubricating, cleaning and changing accessories. Keep handles dry, clean and free from oil and grease.
16. OUTDOOR EXTENSION CORDS. When air compressor is used outdoors, use only rounded jacket extensions cords intended for outside use. See manufacturer's manual for the AWG required for the compressor's amperage draw.
17. BE AWARE OF AIR HOSES AND THEIR CONNECTIONS. Don't trip over hoses. Make sure all connections are tight. Keep an eye out for any leaks which should be repaired immediately.
18. BE AWARE OF OTHER PEOPLE. Never spray directly at people or animals.

UNPACKING

The Touch-Up Gun needs minor assembly. If any parts are missing or broken, please call Harbor Freight Tools at the number on the cover of this manual.

Item #	Description	Qty
A	Spray Unit	1
B	Canister Unit	1
C	Repair Kit	1

ASSEMBLY

Connect the Spray Unit to the Canister Unit as shown in Figure 1.

BEFORE YOU USE YOUR TOUCH-UP GUN

A coupler is required to connect the Touch-Up Gun to an air compressor. Select the coupler, e.g. ¼" "M" style NPT, etc. that mates with the end of the air hose you are using, and screw it onto the AIR CONNECTION (#23) located at the end of the Touch-Up Gun's handle (see Figure 2).

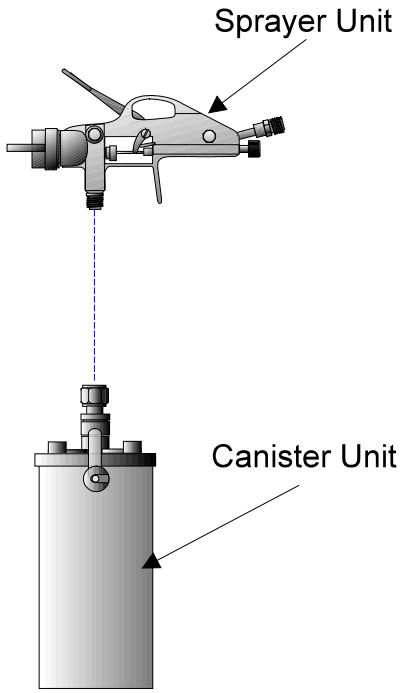


Figure 1 -- Connecting the Spray Unit and Canister

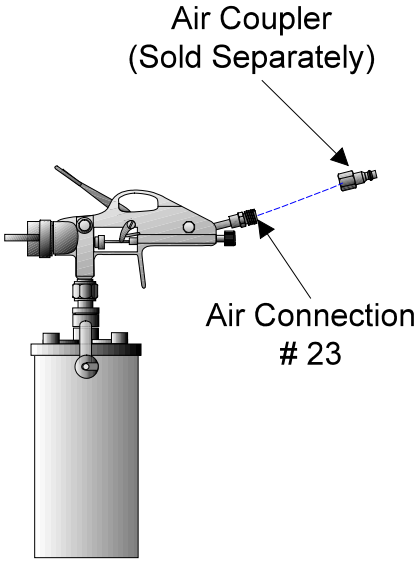


Figure 2 -- Attaching Air Coupler

OPERATION

Setup

Refer to Figure 3 for the location of parts called out in this section.

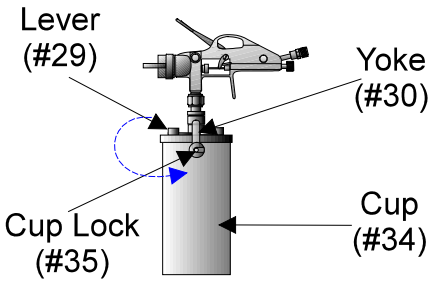


Figure 3 -- Operation Diagram

Step 1. Move the LEVER (#29) counterclockwise until the YOKE (#30) is free from the CUP LOCKS (#35).

Step 2. Lift and remove the Paint Gun from the CUP (#34).

Step 3. Prepare the paint or coating per the manufacturer's instructions for air spray guns.

Step 4. Fill the cup up to the *¾-full* mark shown in Figure 4. ***DO NOT OVERFILL!***

Step 5. Lower and replace the Paint Gun onto the CUP.

Step 6. Align the YOKE with the CUP LOCKS and move the LEVER clockwise until tight. DO NOT FORCE THE LEVER!

Step 7. Set the compressor's pressure regulator to the lowest setting recommended by the paint or coating manufacturer.

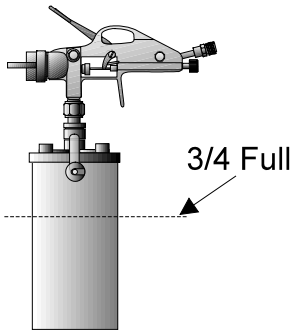


Figure 4-- Filling the Paint Gun

CAUTION: When the CUP contains fluid, always keep the Touch-Up Gun upright. This will keep paint from contaminating portions of the gun in which it is not intended to go.

Step 8. Connect the TOUCH-UP GUN's coupler to the air compressor's hose. If leaking is detected, disconnect the air hose and repair before use.

PATTERN CONTROL

The Touch-Up Gun is capable of spraying in different fan sizes and different shapes. **Never touch the trigger or point the gun at the face or body when adjusting the fan size or jet shape.**

Adjusting Fan Size

The fan size is adjusted by turning the FAN ADJUSTING SCREW (#28) clockwise for a narrow spray and counterclockwise for a wider spray.

Adjusting Jet Shape

The Jet Shape is adjusted by turning the AIR CAP (#1). It should be perpendicular to the ground to create a horizontal jet and parallel to the ground to create a vertical jet.

Adjusting Paint Output

The Volume Output is adjusted by turning the VOLUME ADJUSTMENT SCREW (#12) clockwise to reduce the output and counterclockwise to increase the output.

SPRAYING TECHNIQUES

Your Touch-Up Gun is designed for light touch-up work, stenciling, and small job duties. For heavy or medium production work, we suggest our H.V.L.P. and professional model spray guns.

For most uses, e.g. painting walls, benches, vehicles, etc., the best results are obtained by spraying thin, even coats of paint. Let the layers dry in between coats.

As with any manual process, practice leads to perfection. The following are a few general rules that may be of help in perfecting your process:

CAUTION:Always keep the LID (#32) tight when connected to the air source.

- Use the lowest pressure setting recommended by the paint manufacturer.
- Keep the gun perpendicular to the ground.
- Maintain a distance of about 8” from the work as shown in Figure 5.
- Make smooth, thin and even strokes across the work.
- Overlap each stroke by about 50%. (See Figure 6)
- Let each coat dry before re-coating.
- When painting with metallic, pearls, etc., always cross coat the paint.

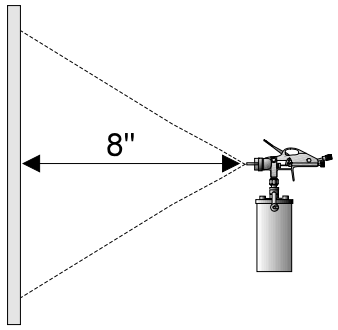


Figure 5 -- Distance from wall

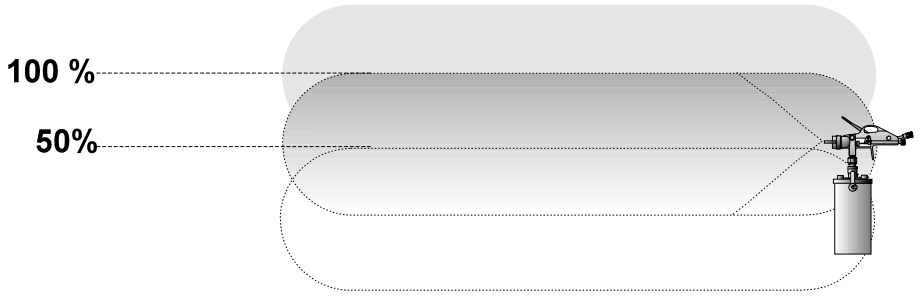


Figure 6 -- Overlapping strokes

MAINTENANCE

General Maintenance

☐ *Checking & Replacing the Needle*

Needle wear is expexcted and inspection during *Cleaning* will ensure the continued top-performance of your Touch-Up Gun. If needle tip wear is noted:

> ***NOTE (Step 1)*** Before unscrewing the ADJUSTMENT SCREW, place a mark on the ADJUSTMENT SCREW where it meets the GUN HOUSING (#13). This will make re-adjusting the gun, after maintenance, easier.

Step 1. Unscrew the FAN ADJUSTING SCREW (#28) and remove the SPRING (#27).

Step 2. Using a pair of pliers or other suitable device, carefully pull and twist the NEEDLE ASSEMBLY (#24"S") until it has been removed.

Step 3. Purchase an identical replacement NEEDLE ASSEMBLY from Harbor Freight Tools.

Step 4. By hand, carefully insert the needle into the GUN HOUSING (#5) and push until the tip has exited the hole in the AIR CAP (#1).

Step 5. Place the SPRING over the NEEDLE ASSEMBLY and insert it into the SPRAYER HOUSING.

Step 6. Replace the ADJUSTING SCREW and readjust its setting to the position it was in before removed (refer to Step 1).

Cleaning:

WARNING:Always dispose of paints, coating and other chemicals in a proper way. If you have questions regarding the proper disposal of any chemical, contact the chemical manufacturer for instructions.

Step 1. Depressurize the cup and disconnect the air hose.

Step 2. Remove the Paint Gun from the CUP as described in *OPERATION*.

Step 3. Empty the paint or coating from the CUP. Dispose of properly.

Step 4. Pour a small amount of clean solvent (as specified by the paint manufacturer) in the CUP. See Safety Warnings and Cautions.

Step 5. Place the Paint Gun into the CUP and tighten the LEVER until the assembly is sealed.

Step 6. Reconnect the air hose and pressurize the cup.

Step 7. Clean the Touch-Up Gun by shaking it vigorously and spraying the solvent through the gun.

Step 8. Repeat steps 1 through 7 until the sprayed solvent appears clean and clear.

Step 9. Disconnect the gun from the air supply.

Step 10. Remove the Paint Gun Assembly from the Cup Assembly and dispose of the surplus solvent.

Step 11. Wipe the Cup clean with a dry, lint-free cloth.

CAUTION:For thorough cleaning, the CUP may be fully immersed in solvent. DO NOT LEAVE CUP IN SOLVENT FOR MORE THAN 24 HOURS as damage may occur. NEVER IMMERSE THE TOUCH-UP GUN IN SOLVENT. When cleaning, brush solvent onto exterior parts only.

Lubrication:

Before and after each use of the TOUCH-UP GUN, perform the following lubrication process, using a non-silicon, spray gun lubricant:

Step 1. Put two or three drops of lubricant on the NEEDLE (#24), in front of the TRIGGER (#14). Tip the gun backward and allow the lubricant to drip into the front of the GUN HOUSING (#13).

Step 2. Put two or three drops of lubricant on the VOLUME ADJUSTING SCREW (#12). Tip the gun sideways and allow the lubricant to drip into the SPRAYER HOUSING.

Step 3. Put two or three drops of lubricant on the FAN ADJUSTING SCREW (#28). Tip the gun forward and allow the lubricant to drip into the back of the HOUSING (#13).

Step 4. Put one drop of lubricant on the inside of the TRIGGER SCREW (#15). Work the TRIGGER (#14) to allow the lubricant to coat the parts.

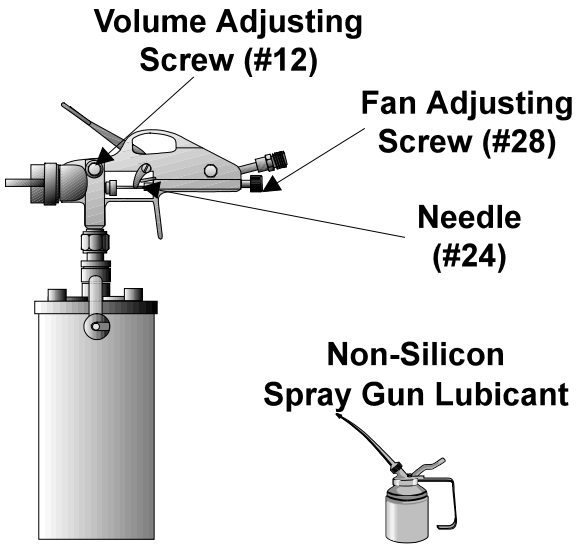


Figure 6 -- Lubricating the Touch-Up Gun

Preventative Maintenance

Periodically check the following:

Needle Wear:

Visually inspect NEEDLE (#24) tip for wear. NEEDLE wear will cause the paint pattern to be uneven. If NEEDLE wear is noted, replace the NEEDLE per *GENERAL MAINTENANCE, CHECKING AND REPLACING THE NEEDLE.*

Cup Gasket Wear:

Step 1. Remove the Paint Gun from the CUP as described in *OPERATION*.

Step 2. Visually inspect the Canister gasket for uneven depressions, scratches, cracks and general appearance. The gasket is not replaceable. If wear is noted, replace the Canister Lid in accordance with the following steps.

Step 3. Remove the Lid Nut. Retain the Nut for reassembly.

Step 4. Remove and replace the Lid with identical part.

Step 5. Replace the LID NUT and tighten.

Check & Clean Air Cap / Retainer Ring Holes:

Step 1. Remove the AIR CAP (#1) by unscrewing the RETAINER RING (#3).

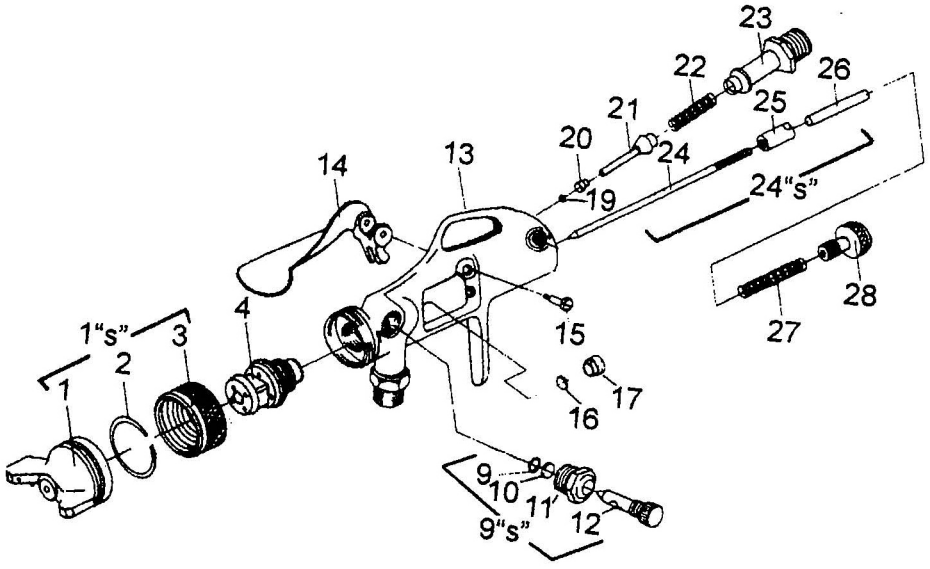
Step 2. Verify the four holes around the NEEDLE (#19) hole are not blocked or restricted by paint and coatings. If necessary, clean the holes by soaking the AIR CAP in solvent and blowing clear with pressurized air.

Step 3. Replace the AIR CAP and tighten the RETAINER RING.

PARTS LIST

PART #	DESCRIPTION	QTY
1	Air Cap	1
2	Inner Ring	1
3	Retainer Ring	1
4	Fluid Nozzle	1
9	Ring	1
10	Packing	1
11	Vol. Adj. Screw Receiver	1
12	Volume Adjusting Screw	1
13	Gun Housing	1
14	Trigger	1
15	Trigger Screw	1
16	Packing	1
17	Nut	1
19	Packing	1
20	Valve Nut	1
21	Stem Assembly	1
22	Spring	1

PART #	DESCRIPTION	QTY
23	Union	1
24	Needle	1
25	Lock Nut	1
26	Rear Nut	1
27	Spring	1
28	Fan Adjusting Screw	1
29	Lever	1
30	Yoke	1
31	Fluid Stem	1
32	Lid	1
33	Lid Nut	1
34	Cup	1
35	Cup Locks	2
1"S"	Nozzle Assembly	1
9"S"	Volume Adjustment Assy.	1
24"S"	Needle Assembly	1



LIMITED 1 YEAR WARRANTY

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of one year from the date of purchase (90 days if used by a professional contractor or if used as rental equipment). This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, normal wear and tear, or to lack of maintenance. We shall in no event be liable for death, injuries to persons or property, or for incidental, contingent, special or consequential damages arising from the use of our product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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Record Product's Serial Number Here:_____

Note: If product has no serial number, record month and year of purchase instead.

Note: Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.